

Abstract

The invention relates to a measuring device on at least one rail (4) of a railway track for measuring the roundness (7) of an individual railway vehicle wheel (1) during running (3) thereof on the rail (4) as a difference (8 to 9) of the circumferential radius of the wheel flange cap (5) and the radius of the running surface (2) of the railway vehicle wheel (1) in a measuring plane (17). The measuring device consists of a plurality of measuring sensors, which respectively have a lateral distance from one another and are connected to the rail (4) in the measuring plane (17) along the axis of rotation (6) of the railway vehicle wheel (1) or the set of wheels and perpendicularly to the contact surface (10) of the respective railway vehicle wheel (1).

Fig. 1 is intended for the Abstract.